

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 162/360 = 0.45$

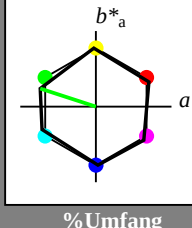
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 162

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1.0$

CNS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 -36.79 11.96
LAB*LABa 76.05 -36.79 11.96
LAB*TCHa 75.00 38.69 16.20

relative CIELAB lab*
lab*lab 0.5 -0.474 0.154
lab*ch 0.75 0.5 0.45
lab*nch 0.0 0.5 0.45
relative Natural Colour (NC)
lab*trj 0.75 -0.499 0.003
lab*nce 0.75 -0.499 0.003

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -36.8 11.96
LAB*LABa 56.71 -36.8 11.96
LAB*TCHa 50.00 38.7 16.20

relative CIELAB lab*
lab*lab 0.25 -0.475 0.155
lab*ch 0.5 0.5 0.45
lab*nch 0.0 0.5 0.45
relative Natural Colour (NC)
lab*trj 0.5 -0.499 0.003
lab*nce 0.5 -0.499 0.003

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -36.79 11.96
LAB*LABa 37.36 -36.79 11.96
LAB*TCHa 25.01 38.69 16.20

relative CIELAB lab*
lab*lab 0.25 -0.474 0.154
lab*ch 0.25 0.5 0.45
lab*nch 0.0 0.5 0.45
relative Natural Colour (NC)
lab*trj 0.25 -0.499 0.003
lab*nce 0.25 -0.499 0.003

relative Inform. Technology (IT)
olv3* 0.125 -0.237 0.077
cmyn3* 0.125 0.25 0.45
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.125 -0.237 0.077
lab*ch 0.125 0.25 0.45
lab*nch 0.0 0.5 0.45
relative Natural Colour (NC)
lab*trj 0.125 -0.249 0.003
lab*nce 0.125 -0.249 0.003

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.37 -55.19 17.94
LAB*LABa 66.37 -55.19 17.94
LAB*TCHa 62.5 58.04 16.20

relative CIELAB lab*
lab*lab 0.25 -0.712 0.232
lab*ch 0.625 0.75 0.45
lab*nch 0.0 0.75 0.45
relative Natural Colour (NC)
lab*trj 0.625 -0.749 0.004
lab*nce 0.625 -0.749 0.004

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -73.59 23.91
LAB*LABa 56.7 -73.59 23.91
LAB*TCHa 50.0 77.38 16.20

relative CIELAB lab*
lab*lab 0.0 -0.95 0.309
lab*ch 0.5 0.0 0.45
lab*nch 0.0 0.45 -
relative Natural Colour (NC)
lab*trj 0.5 -0.999 0.005
lab*nce 0.5 -0.999 0.005

relative Inform. Technology (IT)
olv3* 0.375 -0.712 0.232
cmyn3* 0.375 0.75 0.45
olv4* 0.25 0.75 0.45
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -55.19 17.94
LAB*LABa 47.03 -55.19 17.94
LAB*TCHa 37.51 58.04 16.20

relative CIELAB lab*
lab*lab 0.375 -0.712 0.232
lab*ch 0.375 0.75 0.45
lab*nch 0.0 0.75 0.45
relative Natural Colour (NC)
lab*trj 0.375 -0.749 0.004
lab*nce 0.375 -0.749 0.004

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.0 0.25 (0.0)
olv4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.0
lab*ch 0.0 0.25 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.0
lab*nce 0.0 0.25 0.0

$n^* = 0.00$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 162/360 = 0.45$

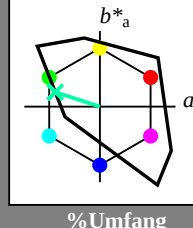
lab^*ch und lab^*nch

D65: Buntton L

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.75 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*TCHa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 0.0 0.0 -

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 -36.79 11.96
LAB*LABa 76.05 -36.79 11.96
LAB*TCHa 75.00 38.69 16.20

relative CIELAB lab*
lab*lab 0.5 -0.474 0.154
lab*ch 0.75 0.5 0.45
lab*nch 0.0 0.5 0.45
relative Natural Colour (NC)
lab*trj 0.75 -0.499 0.003
lab*nce 0.75 -0.499 0.003

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -36.8 11.96
LAB*LABa 56.71 -36.8 11.96
LAB*TCHa 50.00 38.7 16.20

relative CIELAB lab*
lab*lab 0.25 -0.475 0.155
lab*ch 0.5 0.5 0.45
lab*nch 0.0 0.5 0.45
relative Natural Colour (NC)
lab*trj 0.5 -0.499 0.003
lab*nce 0.5 -0.499 0.003

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -73.59 23.91
LAB*LABa 56.7 -73.59 23.91
LAB*TCHa 50.0 77.38 16.20

relative CIELAB lab*
lab*lab 0.0 -0.95 0.309
lab*ch 0.5 0.0 0.45
lab*nch 0.0 0.45 -
relative Natural Colour (NC)
lab*trj 0.5 -0.999 0.005
lab*nce 0.5 -0.999 0.005

relative Inform. Technology (IT)
olv3* 0.375 -0.712 0.232
cmyn3* 0.375 0.75 0.45
olv4* 0.25 0.75 0.45
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -55.19 17.94
LAB*LABa 47.03 -55.19 17.94
LAB*TCHa 37.51 58.04 16.20

relative CIELAB lab*
lab*lab 0.375 -0.712 0.232
lab*ch 0.375 0.75 0.45
lab*nch 0.0 0.75 0.45
relative Natural Colour (NC)
lab*trj 0.375 -0.749 0.004
lab*nce 0.375 -0.749 0.004

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.37 -55.19 17.94
LAB*LABa 66.37 -55.19 17.94
LAB*TCHa 62.5 58.04 16.20

relative CIELAB lab*
lab*lab 0.25 -0.712 0.232
lab*ch 0.625 0.75 0.45
lab*nch 0.0 0.75 0.45
relative Natural Colour (NC)
lab*trj 0.625 -0.749 0.004
lab*nce 0.625 -0.749 0.004

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -73.59 23.91
LAB*LABa 56.7 -73.59 23.91
LAB*TCHa 50.0 77.38 16.20

relative CIELAB lab*
lab*lab 0.0 -0.95 0.309
lab*ch 0.5 0.0 0.45
lab*nch 0.0 0.45 -
relative Natural Colour (NC)
lab*trj 0.5 -0.999 0.005
lab*nce 0.5 -0.999 0.005

relative Inform. Technology (IT)
olv3* 0.375 -0.712 0.232
cmyn3* 0.375 0.75 0.45
olv4* 0.25 0.75 0.45
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -55.19 17.94
LAB*LABa 47.03 -55.19 17.94
LAB*TCHa 37.51 58.04 16.20

relative CIELAB lab*
lab*lab 0.375 -0.712 0.232
lab*ch 0.375 0.75 0.45
lab*nch 0.0 0.75 0.45
relative Natural Colour (NC)
lab*trj 0.375 -0.749 0.004
lab*nce 0.375 -0.749 0.004

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.0 0.25 (0.0)
olv4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.25 0.0
lab*ch 0.0 0.25 0.0
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.0
lab*nce 0.0 0.25 0.0

$n^* = 0.00$

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 25/360 = 0.071$

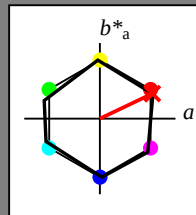
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 25

olv*Ma: 1.0 0.01 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.875 0.25 0.107
lab*ch 0.875 0.25 0.107
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*lab 0.875 0.25 0.107
lab*ch 0.875 0.25 0.107
lab*nch 0.0 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 17.37 8.28
LAB*LABa 66.38 17.37 8.28
LAB*LABb 66.38 17.37 8.28
LAB*LABc 66.38 17.37 8.28

relative CIELAB lab*
lab*lab 0.625 0.25 0.107
lab*ch 0.625 0.25 0.107
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*lab 0.625 0.25 0.107
lab*ch 0.625 0.25 0.107
lab*nch 0.0 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 34.75 16.56
LAB*LABa 56.71 34.75 16.56
LAB*LABb 56.71 34.75 16.56
LAB*LABc 56.71 34.75 16.56

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (1.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 52.12 24.83
LAB*LABa 47.03 52.12 24.83
LAB*LABb 47.03 52.12 24.83
LAB*LABc 47.03 52.12 24.83

relative CIELAB lab*
lab*lab 0.375 0.627 0.323
lab*ch 0.375 0.627 0.323
lab*nch 0.0 0.627 0.323
relative Natural Colour (NC)
lab*lab 0.375 0.627 0.323
lab*ch 0.375 0.627 0.323
lab*nch 0.0 0.627 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 57.73 25.47
LAB*LABa 37.51 57.73 25.47
LAB*LABb 37.51 57.73 25.47
LAB*LABc 37.51 57.73 25.47

relative CIELAB lab*
lab*lab 0.25 0.627 0.323
lab*ch 0.25 0.627 0.323
lab*nch 0.0 0.627 0.323
relative Natural Colour (NC)
lab*lab 0.25 0.627 0.323
lab*ch 0.25 0.627 0.323
lab*nch 0.0 0.627 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.625 0.25 0.107
lab*ch 0.625 0.25 0.107
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*lab 0.625 0.25 0.107
lab*ch 0.625 0.25 0.107
lab*nch 0.0 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 52.12 24.83
LAB*LABa 47.03 52.12 24.83
LAB*LABb 47.03 52.12 24.83
LAB*LABc 47.03 52.12 24.83

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (1.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 57.73 25.47
LAB*LABa 37.51 57.73 25.47
LAB*LABb 37.51 57.73 25.47
LAB*LABc 37.51 57.73 25.47

relative CIELAB lab*
lab*lab 0.375 0.627 0.323
lab*ch 0.375 0.627 0.323
lab*nch 0.0 0.627 0.323
relative Natural Colour (NC)
lab*lab 0.375 0.627 0.323
lab*ch 0.375 0.627 0.323
lab*nch 0.0 0.627 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.48 40.21 21.21
LAB*LABa 27.48 40.21 21.21
LAB*LABb 27.48 40.21 21.21
LAB*LABc 27.48 40.21 21.21

relative CIELAB lab*
lab*lab 0.25 0.627 0.323
lab*ch 0.25 0.627 0.323
lab*nch 0.0 0.627 0.323
relative Natural Colour (NC)
lab*lab 0.25 0.627 0.323
lab*ch 0.25 0.627 0.323
lab*nch 0.0 0.627 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 18.03 0.0
LAB*LABa 18.03 18.03 0.0
LAB*LABb 18.03 18.03 0.0
LAB*LABc 18.03 18.03 0.0

relative CIELAB lab*
lab*lab 0.125 0.25 0.107
lab*ch 0.125 0.25 0.107
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*lab 0.125 0.25 0.107
lab*ch 0.125 0.25 0.107
lab*nch 0.0 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 18.03 0.0
LAB*LABa 18.03 18.03 0.0
LAB*LABb 18.03 18.03 0.0
LAB*LABc 18.03 18.03 0.0

relative CIELAB lab*
lab*lab 0.375 0.627 0.323
lab*ch 0.375 0.627 0.323
lab*nch 0.0 0.627 0.323
relative Natural Colour (NC)
lab*lab 0.375 0.627 0.323
lab*ch 0.375 0.627 0.323
lab*nch 0.0 0.627 0.323

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 9.01 9.01 0.0
LAB*LABa 9.01 9.01 0.0
LAB*LABb 9.01 9.01 0.0
LAB*LABc 9.01 9.01 0.0

relative CIELAB lab*
lab*lab 0.125 0.25 0.107
lab*ch 0.125 0.25 0.107
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*lab 0.125 0.25 0.107
lab*ch 0.125 0.25 0.107
lab*nch 0.0 0.25 0.071

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 4.51 4.51 0.0
LAB*LABa 4.51 4.51 0.0
LAB*LABb 4.51 4.51 0.0
LAB*LABc 4.51 4.51 0.0

relative CIELAB lab*
lab*lab 0.0625 0.125 0.0535
lab*ch 0.0625 0.125 0.0535
lab*nch 0.0 0.125 0.02675
relative Natural Colour (NC)
lab*lab 0.0625 0.125 0.0535
lab*ch 0.0625 0.125 0.0535
lab*nch 0.0 0.125 0.02675

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 2.26 2.26 0.0
LAB*LABa 2.26 2.26 0.0
LAB*LABb 2.26 2.26 0.0
LAB*LABc 2.26 2.26 0.0

relative CIELAB lab*
lab*lab 0.03125 0.0625 0.02675
lab*ch 0.03125 0.0625 0.02675
lab*nch 0.0 0.0625 0.013375
relative Natural Colour (NC)
lab*lab 0.03125 0.0625 0.02675
lab*ch 0.03125 0.0625 0.02675
lab*nch 0.0 0.0625 0.013375

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 1.13 1.13 0.0
LAB*LABa 1.13 1.13 0.0
LAB*LABb 1.13 1.13 0.0
LAB*LABc 1.13 1.13 0.0

relative CIELAB lab*
lab*lab 0.015625 0.03125 0.013375
lab*ch 0.015625 0.03125 0.013375
lab*nch 0.0 0.03125 0.0066875
relative Natural Colour (NC)
lab*lab 0.015625 0.03125 0.013375
lab*ch 0.015625 0.03125 0.013375
lab*nch 0.0 0.03125 0.0066875

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.57 0.57 0.0
LAB*LABa 0.57 0.57 0.0
LAB*LABb 0.57 0.57 0.0
LAB*LABc 0.57 0.57 0.0

relative CIELAB lab*
lab*lab 0.015625 0.03125 0.013375
lab*ch 0.015625 0.03125 0.013375
lab*nch 0.0 0.03125 0.0066875
relative Natural Colour (NC)
lab*lab 0.015625 0.03125 0.013375
lab*ch 0.015625 0.03125 0.013375
lab*nch 0.0 0.03125 0.0066875

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.28 0.28 0.0
LAB*LABa 0.28 0.28 0.0
LAB*LABb 0.28 0.28 0.0
LAB*LABc 0.28 0.28 0.0

relative CIELAB lab*
lab*lab 0.0078125 0.015625 0.0066875
lab*ch 0.0078125 0.015625 0.0066875
lab*nch 0.0 0.015625 0.00334375
relative Natural Colour (NC)
lab*lab 0.0078125 0.015625 0.0066875
lab*ch 0.0078125 0.015625 0.0066875
lab*nch 0.0 0.015625 0.00334375

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.14 0.14 0.0
LAB*LABa 0.14 0.14 0.0
LAB*LABb 0.14 0.14 0.0
LAB*LABc 0.14 0.14 0.0

relative CIELAB lab*
lab*lab 0.00390625 0.0078125 0.00334375
lab*ch 0.00390625 0.0078125 0.00334375
lab*nch 0.0 0.0078125 0.001671875
relative Natural Colour (NC)
lab*lab 0.00390625 0.0078125 0.00334375
lab*ch 0.00390625 0.0078125 0.00334375
lab*nch 0.0 0.0078125 0.001671875

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.07 0.07 0.0
LAB*LABa 0.07 0.07 0.0
LAB*LABb 0.07 0.07 0.0
LAB*LABc 0.07 0.07 0.0

relative CIELAB lab*
lab*lab 0.001953125 0.00390625 0.001671875
lab*ch 0.001953125 0.00390625 0.001671875
lab*nch 0.0 0.00390625 0.0008359375
relative Natural Colour (NC)
lab*lab 0.001953125 0.00390625 0.001671875
lab*ch 0.001953125 0.00390625 0.001671875
lab*nch 0.0 0.00390625 0.0008359375

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.035 0.035 0.0
LAB*LABa 0.035 0.035 0.0
LAB*LABb 0.035 0.035 0.0
LAB*LABc 0.035 0.035 0.0

relative CIELAB lab*
lab*lab 0.0009765625 0.001953125 0.0008359375
lab*ch 0.0009765625 0.001953125 0.0008359375
lab*nch 0.0 0.001953125 0.00041796875
relative Natural Colour (NC)
lab*lab 0.0009765625 0.001953125 0.0008359375
lab*ch 0.0009765625 0.001953125 0.0008359375
lab*nch 0.0 0.001953125 0.00041796875

VG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage VG55; Farbmetrik-Systeme CNS18 & TLS00 input: olv* setrgbcolor

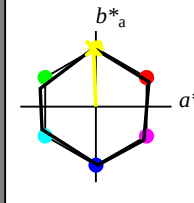
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output: no change compared to input

Eingabe: Farbmatisches Natürliches-Reflektiv-System CNS18 für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 57 77 92
olv*Ma: 0.99 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative Inform. Technology (IT)
olv3* 0.999 1.0 0.75 (1.0)
cmyn3* 0.001 0.0 0.25 (0.0)
olv4* 0.999 1.0 0.75 (1.0)
cmyn4* 0.001 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -0.76 19.26
LAB*LABa 85.73 -0.76 19.26
LAB*LABb 87.5 19.27 92.29

relative Inform. Technology (IT)
olv3* 0.997 1.0 0.5 (1.0)
cmyn3* 0.003 0.0 0.5 (0.0)
olv4* 0.997 1.0 0.5 (1.0)
cmyn4* 0.003 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 -1.54 38.52
LAB*LABa 76.07 -1.54 38.52
LAB*LABb 75.0 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.25 (1.0)
cmyn3* 0.002 0.0 0.25 (0.0)
olv4* 0.998 1.0 0.25 (1.0)
cmyn4* 0.002 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.37 -2.32 57.78
LAB*LABa 66.37 -2.32 57.78
LAB*LABb 62.5 57.83 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmyn3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmyn4* 0.004 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.996 1.0 0.0 (1.0)
cmyn3* 0.004 0.0 0.0 (0.0)
olv4* 0.996 1.0 0.0 (1.0)
cmyn4* 0.004 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.0 (1.0)
cmyn3* 0.002 0.0 0.0 (0.0)
olv4* 0.998 1.0 0.0 (1.0)
cmyn4* 0.002 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmyn3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmyn4* 0.006 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.996 1.0 0.0 (1.0)
cmyn3* 0.004 0.0 0.0 (0.0)
olv4* 0.996 1.0 0.0 (1.0)
cmyn4* 0.004 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.0 (1.0)
cmyn3* 0.002 0.0 0.0 (0.0)
olv4* 0.998 1.0 0.0 (1.0)
cmyn4* 0.002 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmyn3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmyn4* 0.006 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

CNS18; adaptierte CIELAB-Daten	L*	a*	b*	C* _{ab,a}	h* _{ab,a}
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

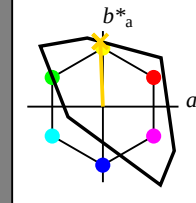
$n^* = 1.00$

relative Buntheit c^*

Ausgabe: Farbmatisches Fernseh-Licht-System TLS00 für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J
LCH*Ma: 85 86 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative Inform. Technology (IT)
olv3* 0.999 1.0 0.75 (1.0)
cmyn3* 0.001 0.0 0.25 (0.0)
olv4* 0.999 1.0 0.75 (1.0)
cmyn4* 0.001 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -0.76 19.26
LAB*LABa 85.73 -0.76 19.26
LAB*LABb 87.5 19.27 92.29

relative Inform. Technology (IT)
olv3* 0.997 1.0 0.5 (1.0)
cmyn3* 0.003 0.0 0.5 (0.0)
olv4* 0.997 1.0 0.5 (1.0)
cmyn4* 0.003 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 -1.54 38.52
LAB*LABa 76.07 -1.54 38.52
LAB*LABb 75.0 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.25 (1.0)
cmyn3* 0.002 0.0 0.25 (0.0)
olv4* 0.998 1.0 0.25 (1.0)
cmyn4* 0.002 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.37 -2.32 57.78
LAB*LABa 66.37 -2.32 57.78
LAB*LABb 62.5 57.83 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmyn3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmyn4* 0.006 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.996 1.0 0.0 (1.0)
cmyn3* 0.004 0.0 0.0 (0.0)
olv4* 0.996 1.0 0.0 (1.0)
cmyn4* 0.004 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.0 (1.0)
cmyn3* 0.002 0.0 0.0 (0.0)
olv4* 0.998 1.0 0.0 (1.0)
cmyn4* 0.002 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmyn3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmyn4* 0.006 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.996 1.0 0.0 (1.0)
cmyn3* 0.004 0.0 0.0 (0.0)
olv4* 0.996 1.0 0.0 (1.0)
cmyn4* 0.004 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.0 (1.0)
cmyn3* 0.002 0.0 0.0 (0.0)
olv4* 0.998 1.0 0.0 (1.0)
cmyn4* 0.002 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmyn3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmyn4* 0.006 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*LABa 56.7 -3.09 77.03
LAB*LABb 50.0 77.1 92.31

$n^* = 1.0$

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

VG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

BAM-Prüfvorlage VG55; Farbmatrik-Systeme CNS18 & TLS00 input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

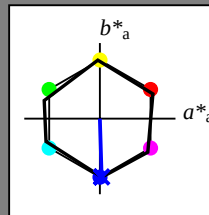
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 272

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 100$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	

CNS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.5	0.502	1.0	(1.0)
olv3*	0.5	0.498	0.0	(0.0)
olv4*	0.5	0.503	1.0	(1.0)
olv4*	0.5	0.497	0.0	(0.0)
LAB*Lab	85.73	0.58	-19.26	
LAB*Lab	85.73	0.58	-19.26	
LAB*Lab	85.73	0.58	-19.26	

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	56.72	0.0	0.0	
LAB*Lab	56.72	0.0	0.0	
LAB*Lab	56.72	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	56.72	0.0	0.0	
LAB*Lab	56.72	0.0	0.0	
LAB*Lab	56.72	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.252	0.75	(1.0)
olv3*	0.75	0.748	0.25	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	66.37	1.75	-57.82	
LAB*Lab	66.37	1.75	-57.82	
LAB*Lab	66.37	1.75	-57.82	

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	37.37	0.0	0.0	
LAB*Lab	37.37	0.0	0.0	
LAB*Lab	37.37	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	37.37	0.0	0.0	
LAB*Lab	37.37	0.0	0.0	
LAB*Lab	37.37	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.002	0.5	(1.0)
olv3*	1.0	0.998	0.0	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	18.03	0.0	0.0	
LAB*Lab	18.03	0.0	0.0	
LAB*Lab	18.03	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	18.03	0.0	0.0	
LAB*Lab	18.03	0.0	0.0	
LAB*Lab	18.03	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.002	0.5	(1.0)
olv3*	1.0	0.998	0.0	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	0.01	0.01	0.01	
LAB*Lab	0.01	0.01	0.01	
LAB*Lab	0.01	0.01	0.01	

standard and adapted CIELAB

LAB*Lab	0.01	0.01	0.01	
LAB*Lab	0.01	0.01	0.01	
LAB*Lab	0.01	0.01	0.01	

relative Inform. Technology (IT)

olv3*	0.0	0.002	0.5	(1.0)
olv3*	1.0	0.998	0.0	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	

%Regularität

$g^*_{H,rel} = 59$

$g^*_{C,rel} = 100$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 272/360 = 0.755$

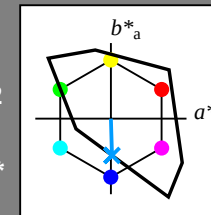
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	71.57	0.0	0.0	
LAB*Lab	71.57	0.0	0.0	
LAB*Lab	71.57	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	71.57	0.0	0.0	
LAB*Lab	71.57	0.0	0.0	
LAB*Lab	71.57	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.5	0.503	1.0	(1.0)
olv3*	0.5	0.497	0.0	(0.0)
olv4*	0.5	0.503	1.0	(1.0)
olv4*	0.5	0.497	0.0	(0.0)
LAB*Lab	80.13	0.73	-24.31	
LAB*Lab	80.13	0.73	-24.31	
LAB*Lab	80.13	0.73	-24.31	

standard and adapted CIELAB

LAB*Lab	80.13	0.73	-24.31	
LAB*Lab	80.13	0.73	-24.31	
LAB*Lab	80.13	0.73	-24.31	

relative Inform. Technology (IT)

olv3*	0.25	0.252	0.75	(1.0)
olv3*	0.75	0.748	0.25	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	63.92	0.37	-12.15	
LAB*Lab	63.92	0.37	-12.15	
LAB*Lab	63.92	0.37	-12.15	

standard and adapted CIELAB

LAB*Lab	63.92	0.37	-12.15	
LAB*Lab	63.92	0.37	-12.15	
LAB*Lab	63.92	0.37	-12.15	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	

standard and adapted CIELAB

LAB*Lab	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	
LAB*Lab	47.72	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.252	0.75	(1.0)
olv3*	0.75	0.748	0.25	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	56.7	2.35	-77.1	
LAB*Lab	56.7	2.35	-77.1	
LAB*Lab	56.7	2.35	-77.1	

standard and adapted CIELAB

LAB*Lab	56.7	2.35	-77.1	
LAB*Lab	56.7	2.35	-77.1	
LAB*Lab	56.7	2.35	-77.1	

relative Inform. Technology (IT)

olv3*	0.0	0.002	0.5	(1.0)
olv3*	1.0	0.998	0.0	(0.0)
olv4*	0.5	0.502	1.0	(1.0)
olv4*	0.5	0.498	0.0	(0.0)
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	

standard and adapted CIELAB

LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	
LAB*Lab	56.71	1.17	-38.55	

lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

$n^* = 1,0$